

**UNITED STATES DEPARTMENT OF COMMERCE****United States Patent and Trademark Office**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/283,958 04/01/99 RAYMOND

R 98-075-TAP

WM02/0614

TIMOTHY R SCHULTE  
STORAGE TECHNOLOGY CORPORATION  
2270 SOUTH 88TH STREET  
MS 4309  
LOUISVILLE CO 80028-4309

EXAMINER

LETSCHER, G

ART UNIT

PAPER NUMBER

2652

DATE MAILED:

06/14/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

## Advisory Action

Application No.

09/283,958

Applicant(s)

Raymond et al

Examiner

George Letscher

Art Unit

2652



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED May 31, 2001 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

Therefore, further action by the applicant is required to avoid the abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

THE PERIOD FOR REPLY [check only a) or b)]

- a) ☒ The period for reply expires three months from the mailing date of the final rejection.
- b) ☐ In view of the early submission of the proposed reply (within two months as set forth in MPEP § 706.07 (f)), the period for reply expires on the mailing date of this Advisory Action, OR continues to run from the mailing date of the final rejection, whichever is later. In no event, however, will the statutory period for the reply expire later than SIX MONTHS from the mailing date of the final rejection.

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on \_\_\_\_\_. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☐ The proposed amendment(s) will be entered upon the timely submission of a Notice of Appeal and Appeal Brief with requisite fees.
3. ☐ The proposed amendment(s) will not be entered because:
- (a) ☐ they raise new issues that would require further consideration and/or search. (See NOTE below);
- (b) ☐ they raise the issue of new matter. (See NOTE below);
- (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d) ☐ they present additional claims without cancelling a corresponding number of finally rejected claims.

NOTE:

\_\_\_\_\_

4. ☐ Applicant's reply has overcome the following rejection(s):
- \_\_\_\_\_
- \_\_\_\_\_
5. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment cancelling the non-allowable claim(s).

6. ☒ The a) ☐ affidavit, b) ☐ exhibit, or c) ☒ request for reconsideration has been considered but does NOT place the application in condition for allowance because:  
see attached. Rejection of record maintained.

7. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.

8. ☒ For purposes of Appeal, the status of the claim(s) is as follows (see attached written explanation, if any):

Claim(s) allowed: \_\_\_\_\_

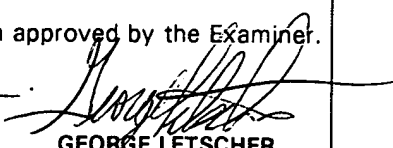
Claim(s) objected to: \_\_\_\_\_

Claim(s) rejected: 50-82

9. ☐ The proposed drawing correction filed on \_\_\_\_\_ a) ☐ has b) ☐ has not been approved by the Examiner.

10. ☐ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_

11. ☐ Other: \_\_\_\_\_

  
GEORGE LETSCHER  
PRIMARY EXAMINER  
ART UNIT 2652

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***Examiner's comments regarding Applicant's Response***

1. Regarding Applicant's comments that the Examiner has not shown how Gray et al and Miyauchi and Kaaden provide the claimed invention, the Examiner notes: Gray et al '772 show a magnetic recording head having a plurality of thin film elements (see Fig. 2), each element having a yoke with front and back regions alternately positioned on each side of a position line (Fig. 2 shows it on both sides & also shown in Kaaden Fig. 1), each yoke formed on a substrate (100); a position line normal to the media direction between the write elements; each gap of the thin film elements having a gap angle with the position line and opposite the gap angle of the adjacent gap angle (Fig. 2); a conductive coil (212, 220) having a plurality of loops, each loop having a portion passing within the yoke and encircling the lower yoke section (256); see Figures 2, 5 and 7 of Gray et al '772. Kaaden et al '188 disclose a magnetic head assembly (5) having a first plurality of write elements (7) having their back regions on a first side of a position line, e.g., matrix (8), and a second plurality of write elements (7) on a second side of the position line opposite the first side. See Figures 1-2 of Kaaden et al '188 which shows the position (matrix) lines having write elements on either side of the line which

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splits the head write elements. Miyauchi et al '521 show a magnetic head having a read element (36) which is within the yoke (53) beneath the gap.

On page 3 of paper no. 9, Applicant states that there is not a front region defining a gap and a back region admitting loops of a conducting coil. The front region is the portion where the gap is located close to yoke 320 and the back region is towards the magnetic layer 150 where the coils are more closely located. Regarding Applicant's assertions towards the first write elements being on a first side of the position line and second elements being on a second side of the write elements, the Examiner notes that the elements of Gray et al are on both sides of a line that goes through the head assemblies, thereby satisfying each side positioning. However, the elements are not exclusively on a first or second side as the head elements appear to be in Applicant's Figure 1.

Applicant contends that Gray et al do not show a pancake spiral coil arrangement via Fig. 7, stating that the head is symmetric. However, the Examiner points Applicant to Figure 2 as well which illustrates such a spiral assembly of the coils. There is no asymmetry set forth in the claims that precludes head assemblies which are symmetric in some aspects.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Letscher whose telephone number is (703) 305-7912.

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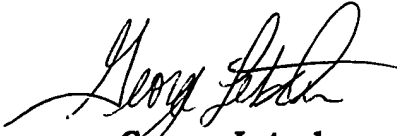
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Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

George Letscher

June 13, 2001



**George Letscher**  
**Primary Examiner**  
**AU 2652**